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APR 0 7 2006

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

| FOLLOWING: | As a below named inventor, I hereby declare it verily believe that I am the original, first and s (if plural inventors are named below) of the st | sole inventor (if only one abject matter which is cla | imed and for which a patent is so | riginal, first and joint myentor |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Insert Title: | ARRAY ANTENNA CONTR | OL DEVICE AND A | RRAY ANTENNA DEVICE | |
| | the specification of which is attached hereto. I | f not attached hereto, | | |
| | | July 7, 200 | 5 | as |
| Fill in Appropriate | the specification was filed on | · · · · · · · · · · · · · · · · · · · | | · · · · • |
| Information - For Use | United States Application Number | | (if | applicable); and/or |
| Without | and amended on | January 8, | | as PCT |
| Specification | the specification was filed on | PCT/JP200 | | and was |
| Attached: | International Application Number | 101/01200 | 7,70003.2 | |
| • | amended on | | | (if applicable) |
| | I hereby state that I have reviewed and up by any amendment referred to above. I acknowledge the duty to disclose inform \$1.56. I do not know and do not believe the set thereof, or patented or described in any print prior to this application, that the same was no application, that the invention has not been application in any country foreign to the Unit more than twelve months (six months for de on this invention has been filed in any countrepresentatives or assigns, except as follows I hereby claim foreign priority benefits | mation which is material to time was ever known or to ted publication in any co- to in public use or on sale patented or made the st ted States of America on signs) prior to this applicativy foreign to the United | o patentability as defined in Title 3' ased in the United States of Americantry before my or our invention in the United States of American abject of an inventor's certificate an application filed by me or my location, and that no application for it States of America prior to this states Code. \$119 (a)-(d) of any for | 7. Code of Federal Regulations, ica before my or our invention thereof or more than one year more than one year prior to this issued before the date of this legal representatives or assigns patent or inventor's certificate application by me or my legal preign application(s) for patent |
| | or inventor's certificate listed below and have a filing date before that of the application or | e also identified below a | my foreign application for patent | or inventor's certificate having |
| | | | | • |
| | Prior Foreign Application(s) | | 21 100 10003 | Priority Claimed |
| Insert Priority Information: | P2003-2297 | Japan | 01/08/2003 | _ 🗷 🗇 |
| (if appropriate) | (Number) | (Country) | (Month / Day / Year Filed) | Yes No |
| | P2003-66871 | Japan | 03/12/2003 | 🗵 🗖 |
| • | (Number) | (Country) | (Month / Day / Year Filed) 06 / 11 / 2003 | Yes No |
| | P2003-166848 | Japan | | – 🔯 🗓 |
| • | (Number) | (Country) | (Month / Day / Year Filed) | Yes No |
| | | (Country) | (Month / Day / Year Filed) | |
| | (Number) | (Country) | • | Yes No |
| Insert Provisional | I hereby claim the benefit under Title 35, Uni | ited States Code, §119(e) | or any United States provisional ap | ppiicadon(s) listed below. |
| Application(s): | (Application Number) | | | (Filing Date) |
| (11 1111) | | | · · | |
| | (Application Number) | | | (Filing Date) |
| | All Foreign Applications, if any, for any P the Filing Date of this Application: | atent or Inventor's Certif | ficate Filed more than 12 months | (6 months for designs) Prior to |
| Insert Requested Information: (if appropriate) | Country | A | pplication Number | Date of Filing (Month / Day / Year) |
| Insert Prior U.S. | I hereby claim the benefit under Title 35, insofar as the subject matter of each of the in the manner provided by the first paragr which is material to patentability as defin filing date of the prior application and the | claims of this application application applied to the state of Title 35, United the state of the | n is not disclosed in the prior Unit States Code, §112, I acknowledge Federal Regulations, §1.56 whi | the duty to disclose information of became available between the |
| Application(s): (if any) | (Application Number) | (Filing Date | (Status -) | patented, pending, abandoned) |
| Page 1 of 2 | (Application Number) | (Filing Dat | e) (Status - | patented, pending, abandoned) |

I hereby appoint the practitioners at CUSTOMER NO. 2292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

PLEASE NOTE:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| YOU MUST COMPLETE THE | · | | • |
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| FOLLOWING: | | | |
| Full Name of First or Sole Inventor: | GIVEN NAME FAMILY NAME | INVENTOR'S SIGNATURE | DATE* |
| Insert Name of Inventor Insert Date This | Takuma SAWAYA | Tukuma Vamas | |
| Document is Signed | Residence (City, State & Country) | \mathcal{A}° | CITIZENSHIP Japan |
| Insert Residence Insert Citizenship | Kyoto, Japan | | Japan |
| Insert Mailing Address | MAILING ADDRESS (Complete Street Address inclu- c/o Advanced Telecommunication 2-2, Hikaridai 2-chome, Seika-cho | s Research Institute Inter o, Soraku-gun, Kyoto 619 | -0200 bapan |
| Full Name of Second | GIVEN NAME FAMILY NAME | INVENTOR'S SIGNATURE | DATE* |
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| Full Name of Third Inventor, if any | GIVEN NAME FAMILY NAME | INVENTOR'S SIGNATURE | DATE* |
| | Makoto TAROMARU | Makoto Jarromaru | September 9,2005 |
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| Full Name of Fourth | MAN INC. ADDRESS (Complete Street Address inch | ne Pacearch Institute IIII | ernational. |
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| | MAILING ADDRESS (Complete Street Address inclucy of Advanced Telecommunication 2-2, Hikaridai 2-chome, Seika-communication FAMILY NAME | ins Research Institute Into no, Soraku-gun, Kyoto 61 INVENTOR'S SIGNATURE | ernational, 9-0288 Japan DATE* September 12, 2005 CITIZENSHIP |
| Inventor, if any | MAILING ADDRESS (Complete Street Address inclusion of Advanced Telecommunication 2-2, Hikaridai 2-chome, Seika-communication of American Seika-communication of American Seika-communication of American Seika-communication of Advance (City, State & Country) Kyoto, Japan | ins Research Institute Into, Soraku-gun, Kyoto 61 INVENTOR'S SIGNATURE Takashi Ohira | ernational, 9-0288 Japan DATE* September 12, 2005 |
| Inventor, if any | MAILING ADDRESS (Complete Street Address including Advanced Telecommunication 2-2, Hikaridai 2-chome, Seika-chome, Seika-chome, Name Family Name Takashi OHIRA Residence (City, State & Country) Kyoto, Japan MAILING ADDRESS (Complete Street Address including Addr | ins Research Institute Into o, Soraku-gun, Kyoto 61 INVENTOR'S SIGNATURE Takashi Ohina Juding City, State & Country) Description Research Institute Into one Research In | ernational, 9-0288 Japan DATE* September 12, 2005 CITIZENSHIP Japan ternational. |
| inventor, if any see above Full Name of Fifth | MAILING ADDRESS (Complete Street Address including C/o Advanced Telecommunication 2-2, Hikaridai 2-chome, Seika-communication 2-2, Hikaridai 2-chome, Seika-communication 2-2, Hikaridai 2-chome, Seika-communication NAME Takashi OHIRA Residence (City, State & Country) Kyoto, Japan | ins Research Institute Into o, Soraku-gun, Kyoto 61 INVENTOR'S SIGNATURE Takashi Ohina Juding City, State & Country) Description Research Institute Into one Research In | ernational, 9-0288 Japan DATE* September 12, 2005 CITIZENSHIP Japan ternational, 19-0288 Japan |
| Inventor, if any | MAILING ADDRESS (Complete Street Address including C/o Advanced Telecommunication 2-2, Hikaridai 2-chome, Seika-ci GIVEN NAME FAMILY NAME Takashi OHIRA Residence (City, State & Country) Kyoto, Japan MAILING ADDRESS (Complete Street Address including C/o Advanced Telecommunication 2-2, Hikaridai 2-chome, Seika-ci | ins Research Institute Into, Soraku-gun, Kyoto 61 INVENTOR'S SIGNATURE Takashi Ohira uding City, State & Country) ons Research Institute Into, Soraku-gun, Kyoto 6 | ernational, 9-0288 Japan DATE* September 12, 2005 CITIZENSHIP Japan ternational, 19-0288 Japan DATE September 12, 2005 |
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